

# City of Riverside

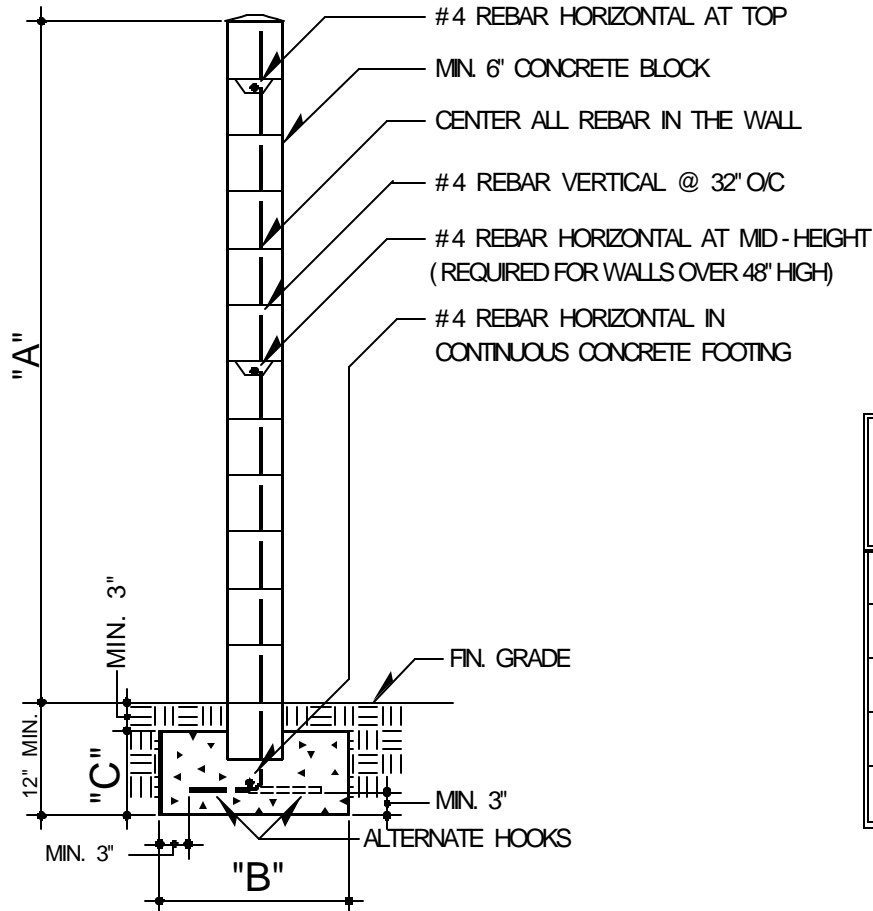
## Building & Safety Division

Phone: (951) 826-5697



### e FREESTANDING BLOCK WALL DESIGN e

**ATTENTION:** The City's Zoning Ordinance limits wall heights in many locations. Please consult with the Planning Department about these restrictions.



Wall Height "A"	Vertical Bar Spacing	Footings	
		"B"	"C"
Under 3'	#4 @ 48"	12"	6"
3'	#4 @ 32"	12"	6"
4'	#4 @ 32"	14"	9"
5'	#4 @ 32"	18"	9"
6'	#4 @ 32"	20"	9"

#### NOTES:

- Concrete Mix - The concrete mix for footings must be = 2000 PSI for Fc minimum or the following: 1 part Portland cement, 2 1/2 parts sand, 3 1/2 parts 3/4 inch maximum size gravel, not more than 7 gallons of water per 90 lb. sack of cement.
- Mortar Mix - Mortar mix must be = 1800 PSI minimum for Fc or the following: 1 part Portland cement, 2 1/4-3 parts sand, 1/4 part hydrated lime or lime putty. Plastic cement may be used with 3 parts sand to 1 part plastic cement.
- Reinforcing Steel - Reinforcing steel must be deformed and comply with ASTM specification A615, Grade 40. When one continuous bar cannot be used, a lap or splice of 40 bar diameters is required (reinforcing steel lapped 20 inches for #4 bars).
- Grout Mix - Grout shall have a minimum compressive strength of 2000 pounds per square inch.
- No water course or natural drainage shall be obstructed.
- Minimum compressive strength=1500psi normal weight block, ASTM C90 (less than 135lbs /cu.ft.).